



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/EP97/06181 (22) International Filing Date: 6 November 1997 (06.11.97) (30) Priority Data: 96308362.1 19 November 1996 (19.11.96) EP (34) Countries for which the regional or international application was filed: NL et al. (71) Applicant (for all designated States except AU BB CA GB GH IE KE LK LS MN MW NZ SD SG SZ TT UG US ZW): UNILEVER N.V. [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL). (71) Applicant (for AU BB CA GB GH IE KE LK LS MN MW NZ SD SG SZ TT UG ZW only): UNILEVER PLC [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BYASS, Louise, Jane [GB/GB]; The University of York, Dept. of Biology, The Plant Laboratory, Heslington, York YO1 5YW (GB). DOUCET, Charlotte, Juliette [NL/GB]; The University of York, Dept. of Biology, The Plant Laboratory, Hes-</p>		<p>lington, York YO1 5YW (GB). FENN, Richard, Anthony [GB/GB]; Unilever Research Colworth Lab., Colworth House, Sharnbrook MK44 1LQ (GB). McARTHUR, An- drew, John [GB/GB]; Unilever Research Colworth Lab., Colworth House, Sharnbrook MK44 1LQ (GB). SIDEBOT- TOM, Christopher, Michael [GB/GB]; Unilever Research Colworth Lab., Colworth House, Sharnbrook MK44 1LQ (GB). SMALLWOOD, Margaret, Felicia [GB/GB]; The University of York, Dept. of Biology, The Plant Labora- tory, Heslington, York YO1 5YW (GB). WARRELL, Dawn [GB/GB]; The University of York, Dept. of Biology, The Plant Laboratory, Heslington, York YO1 5YW (GB). (74) Common Representative: UNILEVER N.V.; Patent Division, P.O. Box 137, NL-3130 AC Vlaardingen (NL). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 30 July 1998 (30.07.98)</p>
<p>(54) Title: CARROT ANTIFREEZE POLYPEPTIDES (57) Abstract Novel antifreeze polypeptides can be isolated from carrots. These peptides can favourably influence the properties of consumer products, e.g. frozen confectionary products.</p>		

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